SQL ADAPTER BUSINESS SERVICE

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ABSTRACT OF THE DISCLOSURE

A Structured Query Language (SQL) adapter business service that converts data from a data set to a common representation format used for all data sets with which the SQL adapter business service interacts. Hence the SQL adapter business service can communicate

10 with various internal and external systems independently of the native format in which those systems maintain and store data. The SQL adapter business service optimizes operations to update data in the data sets by combining operations when possible and by using result sets from executing previous SQL statements to construct subsequent SQL statements. SQL adapter business service takes advantage of parent/child relationships between tables to

15 construct SQL statements in an order such that the SQL statements process only a minimum amount of data, thereby making retrieval of data as efficient as possible.

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